

# Get Water\$mart – For Free

Tucson Water is continuing its popular series of FREE workshops to help you design, install, operate and maintain a water-thrifty drip irrigation system for your landscape or garden. Workshops are also offered on how to use your irrigation timer, how to select plants for your landscape, and how to harvest rainwater.

January 27, 2001

## **East Social Center**

7 South Abrego Drive, Green Valley

10:00 a.m.–12:00 p.m.    Irrigation Timers

1:00–4:00 p.m.    Hands-On  
Drip Irrigation\*

February 10, 2001

## **Las Campañas Recreation Center**

565 West Bell Tower Drive, Green Valley

8:00–10:00 a.m.    Drip Irrigation

10:30 a.m.–12:30 p.m.    Irrigation Timers

February 28, 2001

## **Desert Hills Recreation Center**

2980 South Camino del Sol, Green Valley

1:00 - 4:00 p.m.    Desert  
Landscaping

March 10, 2001

## **Metro Water**

6265 North La Canada Drive, Tucson

10:00 a.m.–12:00 p.m.    Irrigation Timers

1:00 - 4:00 p.m.    Hands-On  
Drip Irrigation\*

\* PARTICIPANTS MUST REGISTER FOR THIS CLASS AT 622-7701.

Seating is limited at workshops and reservations are required. Reserve early to ensure a seat. Contact Tucson Water at 791-4331 for reservations. The Saturday workshops are a joint program of the Pima County Cooperative Extension and Tucson Water.

For questions or more information, contact Vicki Richards at the Pima County Cooperative Extension Office at 622-7701. For more information visit the Tucson Water web site at [www.ci.tucson.az.us/water](http://www.ci.tucson.az.us/water).

**1900 - 2001**  
**100 Years of Serving Tucson**

# Your Water Connection

**News & Tips**  
**FOR**  
**Tucson Water Customers**

**CLEARWATER**  
2 0 0 1

**Construction is on schedule at Clearwater, the project that will bring our community a new water resource later this year. About 10 of the 11 1/2 miles of pipeline needed are complete. The finishing touches are being put on the 10 million gallon reservoir that will store the water from nine new wells before it is pumped east to Tucson. For more information about Clearwater 2001, watch this newsletter or call 791-4331.**

January 2001    <http://www.ci.tucson.az.us/water/>

## Water Quality Improvement, Fire Hydrant Testing



## High Pressure Water Main Flushing to Begin This Month

hydrant operates correctly to ensure that your fire department can depend on these life-saving devices that provide the water they need to fight fires. System-wide flushing is a standard practice in most large water utilities.

Of course, this means that we will be releasing water onto streets, washes, or drainage-ways. Because of the high pressure needed to do the job right, we can't conduct a proper flush using hoses – we cannot flush this water into trucks or tankers and use it elsewhere. In addition, any sediment that is washed out of the lines would have to be cleaned out of our water trucks before we could use them to provide emergency supplies of drinking water, which would cause even more water to be used. **In support of our Beat the Peak program, flushing will not take place during the summer months.**

We plan to begin flushing water mains this month in selected neighborhoods. This may temporarily lower water pressure for some customers who live in the areas where mains are flushed, so we will be working at night to minimize the inconvenience. For more information on this program, please call 791-4331 or use the comment button on our website, [www.ci.tucson.az.us/water](http://www.ci.tucson.az.us/water).

At Tucson Water, our main goals are to protect public health and safety and to provide you with the highest quality water and service. In order to fulfill both of these commitments, Tucson Water is beginning a program that will ensure all of the water mains and fire hydrants in our system are flushed under high pressure and tested on a regular basis.

Over time, naturally occurring sediments build up in water mains. Occasionally, these sediments impart a taste, odor, or color to the water we deliver to customers. The best and most efficient way to eliminate these sediments is to flush water through the mains at high speed. This is done by closing and opening valves in an area and running water at full pressure from fire hydrants for five minutes, or more, depending on the size of the main. Flushing like this throughout our water system each winter, can prevent water quality problems from occurring, stabilize chlorine levels in drinking water, and extend the life of our water system. We'll also be checking to make sure that every fire

Visit the Tucson Water Web Site at <http://www.ci.tucson.az.us/water/>



*The Water Connection* is produced by Tucson Water.

To receive a copy, or to receive this information in Spanish, call 791-4331 or mail your request to:

Customer Information

P.O. Box 27210

Tucson, AZ 85726-7210

City of Tucson  
TTY number: 791-2639

Si usted desea este documento escrito en español, por favor, llame al 791-4331.



## On the Water Front



The year 2001 will be an eventful year in Tucson's water history.

- For the first time in nearly 50 years, we'll give our water table a break from over pumping when we begin to shut off

groundwater wells in the central city. The first wells to be shut down will be those in areas where the water table has dropped more than 200 feet. We'll also be shutting down wells that produce water with lots of air or sediment in it.

- The completion of the first phase of the Clearwater Renewable Resource Facility, in late spring of this year, will add 18 million gallons of blended water each day to our water supply. It is this new water resource that will allow us to shut off those wells and let nature begin restoring our groundwater.
- We'll once again face water conservation issues during the summer. Failing to Beat the Peak will no longer mean a potential water crisis, but it will mean restarting groundwater

wells that were previously shut down to allow the water table to recover. We'll still need to conserve.

- Also this year, the U.S. Environmental Protection Agency will likely set new standards for arsenic and radon in water. Those new standards may change the way we treat and deliver water here in Tucson.

2001 will certainly be exciting and challenging for Tucson Water. It will also be a year that we take major steps toward resolving many of the water issues our community has faced during the recent past. I look forward to working with you as we meet the challenges and celebrate the achievements, and I assure you that Tucson Water will continue to be dedicated to providing you and your family with quality water and excellent customer service.

David V. Modeer  
Director, Tucson Water

## Tucson Water History

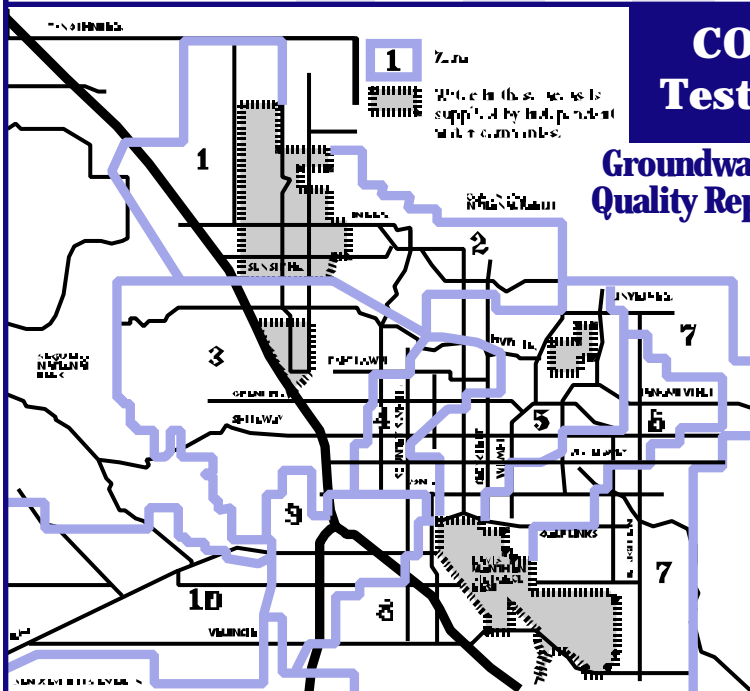


**This 1939 photo** shows workers in fedoras and straw hats installing a new pipeline for a water improvement program. A wheel-mounted heating pad is fired up and ready to use as the men work with the pipe braced by an A-frame extended over the trench.

# What's in YOUR Water?

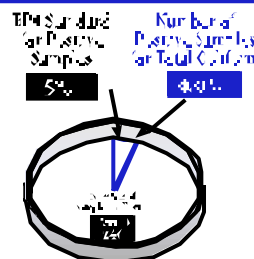
## GROUNDWATER QUALITY REPORT - October 2000

Water Quality Zone	1	2	3	4	5	6	7	8	9	10	System Wide
Sodium (ppm)	Average 58	40	46	35	35	31	28	44	59	42	40
Range	35-82	37-42	23-86	27-59	25-44	25-39	22-40	42-52	35-185	41-45	22-185
Mineral Content (ppm)	Average 423	269	299	220	236	231	212	304	300	221	262
Range	209-616	249-289	182-597	182-297	164-315	195-287	160-261	257-452	215-707	214-228	160-707
Hardness (ppm)	Average 192	115	128	92	102	107	102	138	99	76	112
Range	76-293	104-126	57-337	69-112	68-149	74-134	74-116	100-262	72-130	71-86	57-337
pH (units)	Average 7.7	8.0	7.9	7.9	7.8	7.8	7.8	7.7	7.9	7.9	7.8
Range	7.4-8.4	7.8-8.3	7.5-8.2	7.5-8.2	7.3-8.3	7.2-8.2	7.2-8.2	7.2-7.9	7.7-8.1	7.7-8.0	7.2-8.4
Temperature (deg F)	Average 80	81	82	82	81	79	81	85	86	87	82
Range	77-88	72-88	75-88	77-89	73-91	72-86	73-86	81-91	77-94	80-92	72-94

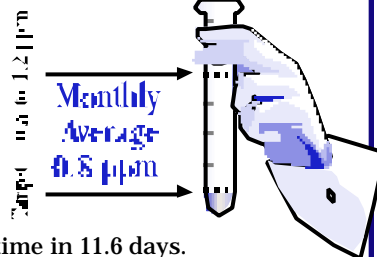


## COLIFORM BACTERIA Testing Results - Oct 2000

### Groundwater Quality Report



### Chlorine Level Average



One part per million (ppm) is the same as one second of time in 11.6 days.

To give you a more accurate measurement of the water quality in your neighborhood, the Tucson Water service area has been divided

into 10 zones based on differences in water pressure and water quality. For a detailed description of the zone boundaries, call 791-4331.